

Date: Tue, 3 Aug 93 18:14:18 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #943
To: Info-Hams

Info-Hams Digest Tue, 3 Aug 93 Volume 93 : Issue 943

Today's Topics:

2nd CFV and VOTE ACK: rec.radio.scanner
6 ghz cellular is under test in Boston.
ARRL Internet connection
CHeapest place to mail order a HT?
Freebies from ARRL HQ
SK and a haircut (was: -.-. .-- -. .

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 3 Aug 1993 17:07:43 -0400
From: bounce-back@uunet.uu.net
Subject: 2nd CFV and VOTE ACK: rec.radio.scanner
To: info-hams@ucsd.edu

CALL FOR VOTES (2nd of 3)

Unmoderated group rec.radio.scanner.

Newsgroups line: "Utility" broadcasting traffic above 30 MHz

Votes must be recieved by Tuesday, Aug 24, 1993 11:59:59 GMT.

This vote is being conducted by a neutral third party. For voting
questions, contact rdippold@qualcomm.com. For questions about the
proposed group, contact Risto Kotlampi (rko@cs.tut.fi).

CHARTER

rec.radio.scanner is a newsgroup for discussion about "utility" traffic above 30 MHz. FM & TV-broadcasting, shortwave, amateur radio and broadcast satellite-related material doesn't belong to rec.radio.scanner because they have their own newsgroups. This newsgroup replaces alt.radio.scanner. In addition, the rec.radio.scanner will be gatewayed to a mailing list which will be created as soon as possible after newsgroup creation, as there are many who do not have access to USENET news.

----- Standard Voting Info -----

You should send MAIL (posts to a group are invalid) to
voting@qualcomm.com
(just replying by MAIL to this message should work). Your mail message should contain one and only one of the following statements:

I vote YES on rec.radio.scanner

or

I vote NO on rec.radio.scanner

You may add a comment, but anything other than a definite statement involving the group name and "yes", "no", "for", or "against" on a single line may be rejected by the automatic vote counting program. If you later change your mind you may also use send in an "abstain" vote in the same manner, using "abstain" in place of "yes" or "no". There will be two additional calls for votes including mass acks.

Standard Guidelines for voting apply.

rec.radio.scanner vote Mass Ack as of 08/02/93

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It's good to know that if I behave strangely enough, society will take full responsibility for me.

Date: 3 Aug 93 20:57:39 GMT
 From: news.bbn.com!noc.near.net!transfer.stratus.com!jjmhome!pig!
 die@seismo.css.gov
 Subject: 6 ghz cellular is under test in Boston.
 To: info-hams@ucsd.edu

AT&T apparently has a 6 ghz cellular personal communications system under test in the Boston metropolitan area. About a year ago they put up a strange new tower along route 128 on Bear Hill in Waltham Mass, at a former TD-2 4 ghz microwave site once used as a video spur route for relaying the broadcast TV networks into Boston; the site is located on a hill that overlooks much of the Boston skyline and the western suburbs of Boston. Today I was able to find out that the tower, and a similar one in Boston itself, are being used as part of an alpha test of a 6 ghz hand held personal communications system by Bell Labs. Boston is apparently the first site in the country in which this system is being tested.

The 300 foot tall tower has a platform at the top with 9 rectangular antennas arranged in a semicircle to provide 180 degree coverage pointed in an arc facing east toward Boston and route 128 to

the north and south. Each antenna seems to be intended to serve about 20 degrees of azimuth, and seems to be pointed downward at about -10 degrees or so elevation. Each of the antennas is fed with 6 ghz circular waveguide with an apparent transition to rectangular guides at the base of the tower. The antennas themselves appear to be about 4 feet wide by perhaps 12 feet tall and to consist of a thin slice of a parabola oriented in the vertical plane with a multihorn feed in front. This would suggest a fairly broad pattern in azimuth (perhaps as much as 20 degrees) with an electronically steered beam in elevation.

The tower has a single 10 foot dish pointed at the horizon north toward the North Andover Bell Labs (one of the primary Bell Labs microwave equipment development facilities) test facility about 20 miles to the north of Bear Hill. And while the west facing 4 ghz dishes have been removed, the 4 ghz dishes facing east toward Boston have not, suggesting that the 4 ghz link may be in use to connect to the Boston 6 ghz site.

I am told that the tower is being used to communicate with hand held transceivers (cellphones) at 6 ghz and that each antenna is supported by one "transmitter". This would imply some sort of spot beam TDMA system with each transceiver getting bursts at its elevation and 20 degree azimuth slot.

Apparently the system is in use by lab staffers and works well enough to be tested more extensively. I was not able to find out if the 6 ghz signals penetrated buildings at all or how the multipath issues have been dealt with or what exactly the bit rate or other modulation characteristics are. But it does appear that AT&T 6 ghz PCS systems are real enough for such a test bed to be built.

It will certainly be interesting to look at what is coming out of the antennas on a spectrum analyzer. And looking in time domain mode may also be interesting as it should be possible to see the beam step from transceiver to transceiver.

--

David I. Emery - N1PRE - Lexington Mass.

Former senior technical consultant (and currently hopeless unemployed bum)
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Date: 3 Aug 93 21:03:49 GMT
From: psinntp!arrl.org@uunet.uu.net
Subject: ARRL Internet connection
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, david@bu.edu (David Gagnon) writes:
>I've recently tried to reply to a post from someone at arrl.org and ended
>up getting the mail back as undeliverable. Using nslookup, the domain
>arrl.org doesn't appear to exist. Should I be routing this mail through
>some other site? Any help would be appreciated.

Say, Doc...

Makes me nervous when an MD 6ells me I don't exist--kinda like seeing my name in the obituaries column! I imagine one of our networking wizards, like Jon Bloom, KE3Z, can supply you with a helpful hint. All I know is that we're hooked in via PSInet at this end.

GL, OM!

CUL es 73 de BB

----- UNREGISTERED EVALUATION LIFE, EXPIRES AFTER MIDNIGHT -----
CUL es 73 de BB

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"
Brian Battles, WS10      I Tel      203-666-1541, ext 222 I  "Radio amateurs
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Newington, CT USA       I Amprnet  ws1o@ws1o.ampr.org      I
"

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Date: 4 Aug 1993 00:07:14 GMT
From: nntp.ucsb.edu!mcl!uznerk@network.ucsd.edu
Subject: CHeapest place to mail order a HT?
To: info-hams@ucsd.edu

I'm in the market for a HT pretty soon, and was wondering if there was any particular place out there which offers very good prices or service. Particularly, I'm interested in either getting an Alinco DJ-580 or a Yaesu FT-530. I understand the Yaesu is a better radio at a higher price, but right now I'd say that I'd probably buy whichever one I can get a better deal on. Any advice would be appreciated..

--

Andrew Krenz | "Better not take a dog on the Space Shuttle,
uznerk@mcl.ucsb.edu | because if he sticks his head out when
krenz@engrhub.ucsb.edu | you're coming home, his face might burn up.
Ham Radio: slow FCC | - Deep Thoughts, Jack Handy

Date: 3 Aug 93 21:30:47 GMT
From: psinntp!arrl.org@uunet.uu.net
Subject: Freebies from ARRL HQ
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, ksampath@magnus.acs.ohio-state.edu (Krishna S Sampath) writes:

> In article <1864@arrl.org> lhurder@arrl.org (Luck Hurder KY1T) writes:

>> A reminder to all that the American Radio Relay League
>> continues to make available to Amateur Radio Operators and
>> nonamateurs a wide variety of free materials and services.

[.... stuff....]

>> To obtain any of these free ARRL services, please provide me with:

>> A) Your name
>> B) Your mailing address
>> C) A Specific request for either of the two services above.

>> lhurder@arrl.org Prodigy - MGTS39A, BIX - ARRL,
>> MCI Mail - RPALM, MCI Mail - "ARRL", America On Line - "ARRL HQ"
>> Compu\$erve - 70007,3373 (ARRL HQ) -- Genie ARRL.HQ

> I did this last Tuesday and by Friday, I had the copy of the book I had
> requested. this is enough service for me to become an ARRL Member
> immediately...thanks to ARRL for this great service.

> (the check is in the mail :)

>krishna, kb8fav
>dr krishna s. sampath...senior research associate

We at ARRL HQ are very proud and appreciative of all the time Luck Hurder, KY1T, spends online on a number of services, posting bulletins and informational messages, and providing users with an easy way to request materials and information resources direct from ARRL HQ.

Keep in mind that anyone who wants information about how to get started in Amateur Radio, how to work with children (in schools, Scouts or otherwise), how to recruit new prospects for ham class; or information on space shuttle ham radio operation, can send a message via Internet to Bob Inderbitzen, NQ1R, of the ARRL Educational Activities Dept (EAD). His address is:

binderbi@arrl.org

You probably wouldn't believe the amount and range of free materials available from ARRL HQ just for the asking! (Another reason to join and support the League.)

CUL es 73 de BB

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*****
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*****

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Date: 3 Aug 1993 15:28:57 -0700
From: mvb.saic.com!unogate!news.service.uci.edu!usc!cs.utexas.edu!asuvax!chnews!
ornews.intel.com!ornews.intel.com!not-for-mail@network.ucsd.edu
Subject: SK and a haircut (was: -. . . -- -. . .
To: info-hams@ucsd.edu

In article <1993Aug3.122247.18224@hemlock.cray.com> dadams@cray.com writes:
>In article 6Kq@odin.corp.sgi.com, adams@chuck.dallas.sgi.com (Charles Adams)
writes:

>|p.s. the reason we don't do this today? the FCC started issueing 'pink
>| slips' for doing this. i didn't get one and am glad that i didn't.

>Exactly what was the offense here? As I read the rules you are required to
>identify every 10 minutes and at the end of transmission. (IE not at the
>beginning.) So what was the problem?

Well you see, in those days you had to identify both your station and the
station(s) you are in contact with at the BEGINNING and END of your QSO
as well as every 10 minutes should you be so full of it. AND you had to
keep a written log of everything, date, time, freq, station, etc. for
at least a year. AND you had to have a CONELRAD receiver on all the time
you were operating just in case the Ruskies might use your station as a
homing signal. I had to do all this stuff once except the CONELRAD.
Don't tell me some things haven't gotten better. Now if we could just lighten
up on the 10 minute rule and get people to stop sending so many callsigns.
I know mine. That's all I need.

di-di-di-dah di-di-di-dah dit dit

(them V's are for Victory, son)

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WA7LDV zardo@ornews.intel.com

End of Info-Hams Digest V93 #943
